

METHOD AND APPARATUS FOR REDUCING ACCESS DELAY IN  
DISCONTINUOUS TRANSMISSION PACKET TELEPHONY SYSTEMS

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ABSTRACT

Speech at the beginning of a talkspurt in a discontinuous transmission (DTX)  
packet telephony system is speeded up to help make up for an access delay incurred  
10 during channel allocation. Incoming speech frames are buffered, a pitch period for a  
current portion of the signal is estimated, and then a pitch period's worth of the signal  
is cut from that portion. This is continued until the original access delay, as estimated  
from the time lag between the commencement of voice input for the talkspurt, and  
notification that a channel is available, is eliminated. The remainder of the talkspurt  
15 is then transmitted without such compression.